

How to Access and Explore NCES Student Transcript Data

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About the High School Transcript Study (HSTS)

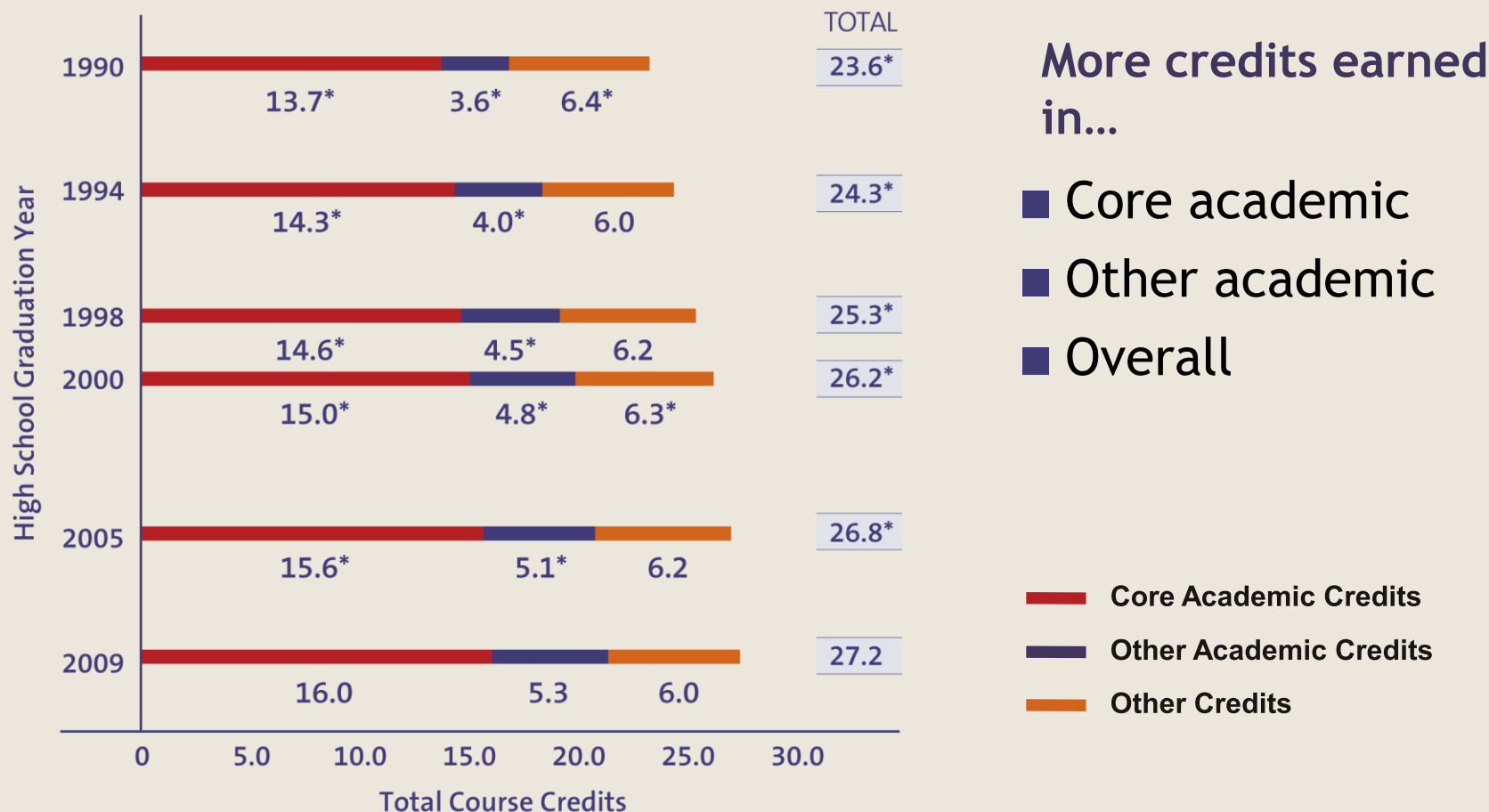
- **Nationally representative sample of 2009 high school graduates**
 - 37,700 graduates and their transcripts
 - 740 public and private schools
 - Transcript collection from June 2009 - January 2010
- **Coursetaking patterns and grades**
 - Trends in coursetaking over time (2009, 2005, 2000, 1998, 1994, 1990)
 - Gender and racial/ethnic differences

About courses, credits, and GPA

- **HSTS identifies three types of courses:**
 - Core academic (English, mathematics, science, and social studies)
 - Other academic (Fine arts, foreign languages, and computer-related studies)
 - Other (e.g., vocational education, personal health, and physical education)

- **HSTS presents information on:**
 - Average course credits earned (each credit represents 120 hours of classroom instruction)
 - Grade point average (GPA)

Graduates earn more course credits



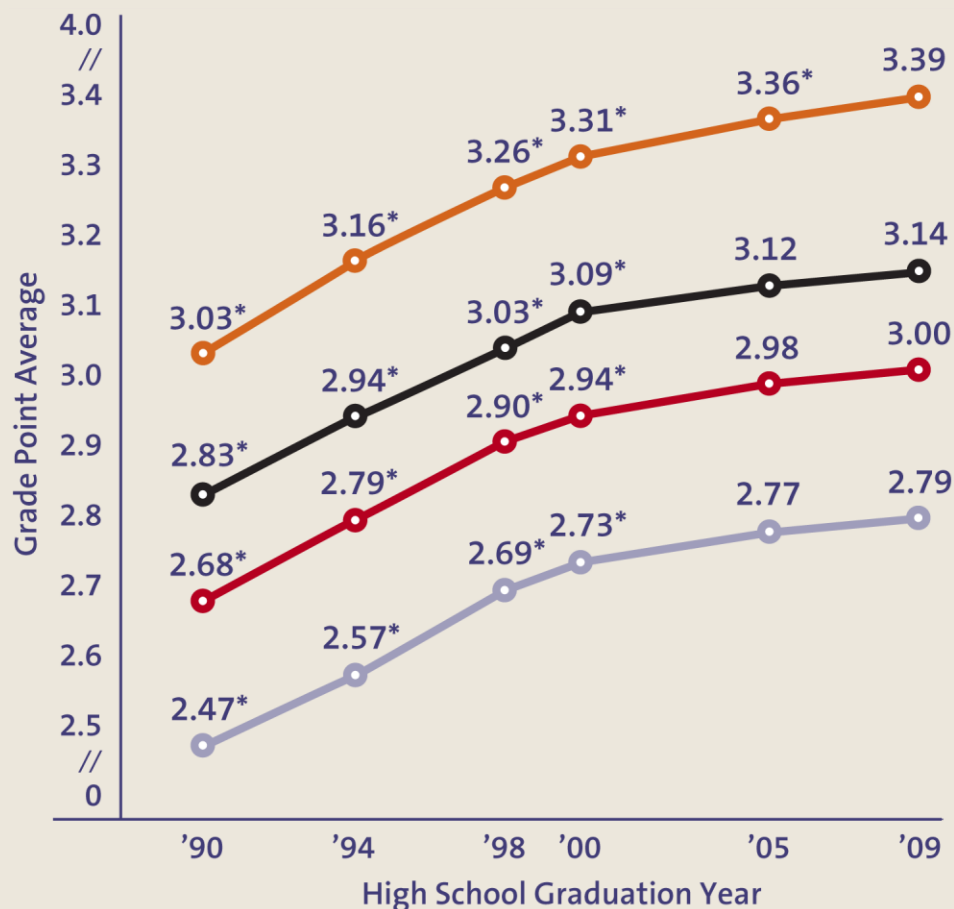
* Significantly different ($p < .05$) from 2009.

NOTE: Details may not sum to total because of rounding. Numbers at end of bars represent total credits. Core credits are English, mathematics, science, and social studies. Other academic

credits are fine arts, foreign languages, and computer-related studies. Other credits include courses such as vocational education, personal health, and physical education.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, High School Transcript Study (HSTS), various years, 1990–2009.

All GPAs increase from 1990 to 2009



Overall GPAs increased
All course types: GPAs increased since 1990
Core and other academic courses: no measureable change in GPAs from 2005 to 2009

- Other
- Other academic
- Overall
- Core academic

* Significantly different ($p < .05$) from 2009.

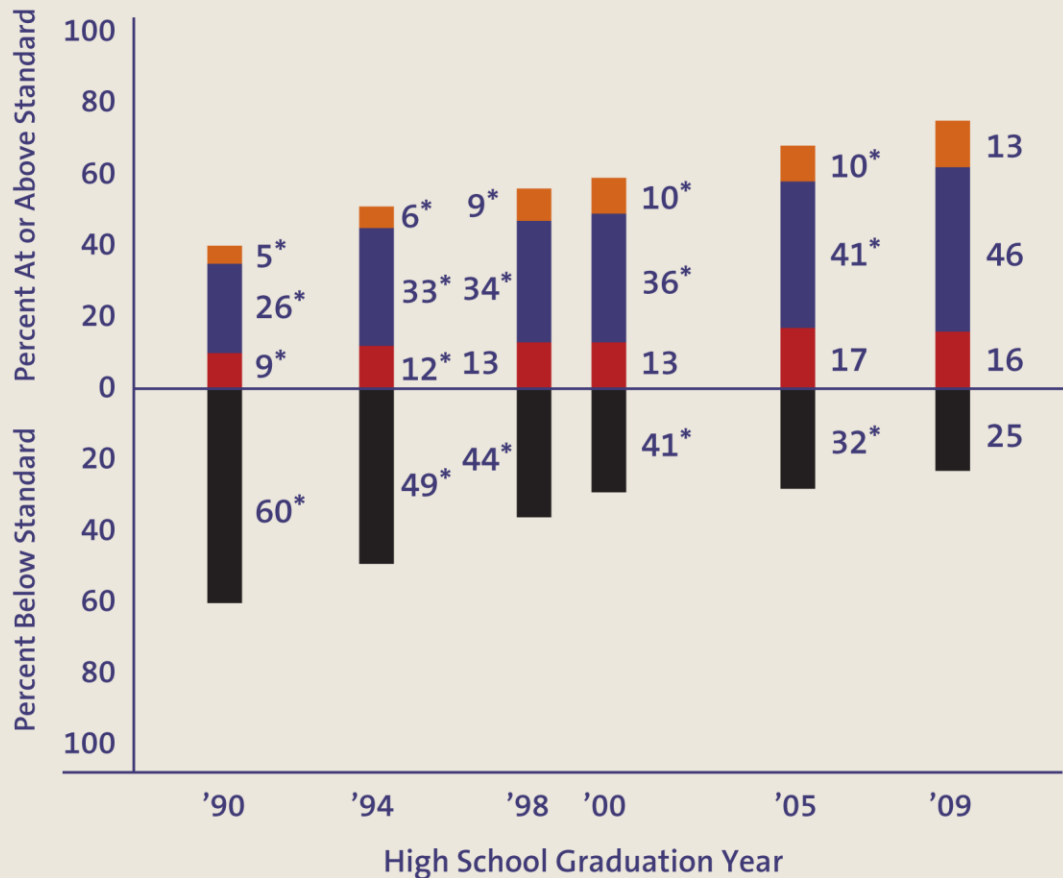
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, High School Transcript Study (HSTS), various years, 1990-2009.

Curriculum levels: course credit requirements

Curriculum Level	English	Social Studies	Mathematics	Science	Foreign Language
Standard	4	3	3	3	0
Midlevel	4	3	3 including geometry and algebra I or II	3 including at least two of biology, chemistry, and physics	1
Rigorous	4	3	4 including pre-calculus or higher	3 including biology, chemistry, and physics	3

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, High School Transcript Study (HSTS)

Since 1990, graduates complete higher level curricula



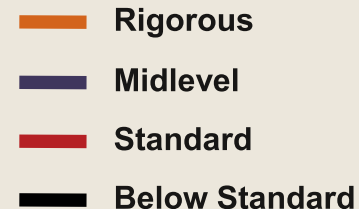
From 1990 to 2009...

Below standard: 35 point ↓

Standard: 6 point ↑

Midlevel: 20 point ↑

Rigorous: 8 point ↑



* Significantly different ($p < .05$) from 2009.

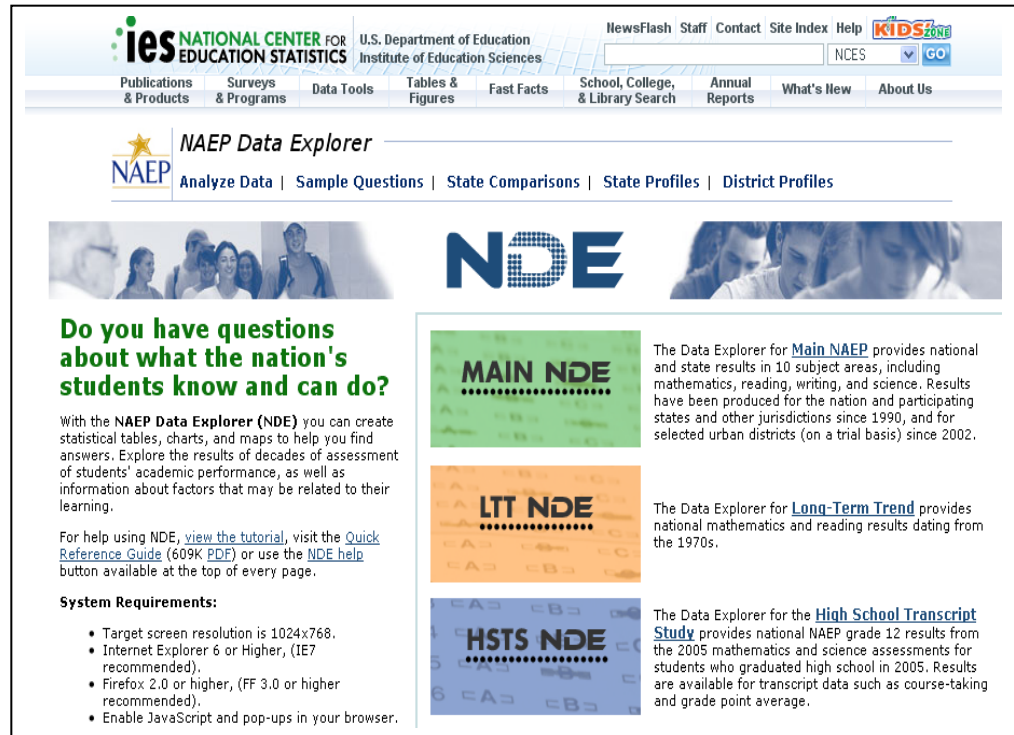
NOTE: Details may not sum to total because of rounding.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, High School Transcript Study (HSTS), various years, 1990–2009.

How can I access the data?

HSTS NDE:

- Provides access to over 100 transcript study variables
- Links with NAEP mathematics and science assessment results (2005 & 2009)
- Data for 2009, 2005, 2000, and 1990



The screenshot shows the NAEP Data Explorer website. At the top, there is a navigation bar with links for Publications & Products, Surveys & Programs, Data Tools, Tables & Figures, Fast Facts, School, College, & Library Search, Annual Reports, What's New, and About Us. Below this is the NAEP logo and the title "NAEP Data Explorer". A sub-navigation bar includes links for Analyze Data, Sample Questions, State Comparisons, State Profiles, and District Profiles. The main content area features a large "NDE" logo and three sections: "MAIN NDE", "LTT NDE", and "HSTS NDE". Each section has a brief description of the data available and a link to the respective data explorer. The "HSTS NDE" section is highlighted with a blue background.

Do you have questions about what the nation's students know and can do?

With the **NAEP Data Explorer (NDE)** you can create statistical tables, charts, and maps to help you find answers. Explore the results of decades of assessment of students' academic performance, as well as information about factors that may be related to their learning.

For help using NDE, [view the tutorial](#), visit the [Quick Reference Guide](#) (609K PDF) or use the [NDE help](#) button available at the top of every page.

System Requirements:

- Target screen resolution is 1024x768.
- Internet Explorer 6 or Higher, (IE7 recommended).
- Firefox 2.0 or higher, (FF 3.0 or higher recommended).
- Enable JavaScript and pop-ups in your browser.

MAIN NDE

The Data Explorer for [Main NAEP](#) provides national and state results in 10 subject areas, including mathematics, reading, writing, and science. Results have been produced for the nation and participating states and other jurisdictions since 1990, and for selected urban districts (on a trial basis) since 2002.

LTT NDE

The Data Explorer for [Long-Term Trend](#) provides national mathematics and reading results dating from the 1970s.

HSTS NDE

The Data Explorer for the [High School Transcript Study](#) provides national NAEP grade 12 results from the 2005 mathematics and science assessments for students who graduated high school in 2005. Results are available for transcript data such as course-taking and grade point average.

<http://nces.ed.gov/nationsreportcard/hstsdata/>

Stock photos.

The HSTS NDE allows you to:

- Examine coursetaking, GPA, and NAEP performance for high school graduates
- Perform statistical analyses
- Use flexible formatting options
- Export results

Overview of how to use the HSTS NDE

Four general steps...

Step 1: Select Criteria

HSTS NDE

1. Select Criteria

2. Select Variables

3. Edit Reports

4. Build Reports

STEP 1: Select criteria from each drop-down menu to begin. Additional options related to your selections will appear. Then select measures, jurisdictions, and years based on available data.

NDE

Subject: Transcript

Grade: Grade 12

Category	Sub Category	Measure	All Years	2009	2005	2000	199
			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▼ Transcript Information	▼ GPA	<input checked="" type="checkbox"/> GPA - Overall details		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/> GPA - Advanced courses details		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/> GPA - Advanced Placement courses details		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/> GPA - Combined mathematics and science courses details		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/> GPA - Computer-related studies details		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group	Jurisdiction		All Years	2009	2005	2000	
			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
▼ <input checked="" type="checkbox"/> National	<input checked="" type="checkbox"/> National details			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Step 2: Select Variables

HSTS NDE
1. Select Criteria ▶
2. Select Variables ▶
3. Edit Reports ▶
4. Build Reports ▶

STEP 2: Select at least one variable from the category list below. View the list of all available variables, view by selected variables only, or search variables by keywords. Years selected will override previous selections.

Subject, Grade: Transcript, Grade 12
Jurisdiction: National
Measure: GPA - Overall
Years: 2009, 2005, 2000, 1990

View All (194)		View Selected (3)		Search: <input style="width: 150px;" type="text"/>		Go
Category	Sub Category	Variable	All Years ✓	2009 ✓	2005 ✓	2000 ✓
▼ Major Reporting Groups	▼ Student Factors	✓ All students details		■■■■	■■■■	■■■■
		<input type="checkbox"/> Collapsed English language learner status details		■■■■	NO DATA	NO DATA
		<input type="checkbox"/> Collapsed student with disability status details		■■■■	NO DATA	NO DATA
		✓ Gender details		■■■■	■■■■	■■■■
		<input type="checkbox"/> Parental education level, from 2 questions details		■■■■	■■■■	NO DATA
		✓ Race/ethnicity (6 categories) details		■■■■	■■■■	■■■■
▶ Student Factors						
▶ Transcript Information						

Step 3: Edit Reports

HSTS NDE
1. Select Criteria ▶
2. Select Variables ▶
3. Edit Reports ▶
4. Build Reports ▶

STEP 3: Preview and edit existing reports using the action links next to each report name. Create new reports, set format and statistic options. (New and copied reports will appear at the bottom of the report list.)

Subject, Grade: Transcript, Grade 12
Jurisdiction: National
Measure: GPA - Overall
Variables: All students, Gender, Race/ethnicity (6 categories)
Years: 2009, 2005, 2000, 1990

Create New Report		Format Options		Statistics Options				
Report	All <input checked="" type="checkbox"/>	Action	Measure	Variable	Year	Jurisdiction	Statistic	
Report 1	<input checked="" type="checkbox"/>	Preview Delete	Edit Copy	GPA - Overall	All students	2009, 2005, 2000, 1990	National	Average, Percen
Report 2	<input checked="" type="checkbox"/>	Preview Delete	Edit Copy	GPA - Overall	Gender	2009, 2005, 2000, 1990	National	Average, Percen
Report 3	<input checked="" type="checkbox"/>	Preview Delete	Edit Copy	GPA - Overall	Race/ethnicity (6 categories)	2009, 2005, 2000, 1990	National	Average, Percen
Cross-Tabulated Report 1	<input checked="" type="checkbox"/>	Preview Delete	Edit Copy	GPA - Overall	Gender, Race/ethnicity (6 categories)	2009, 2005, 2000, 1990	National	Average, Percen

4. Build Repo

Step 4: Build Reports

HSTS NDE 1. Select Criteria ▶ 2. Select Variables ▶ 3. Edit Reports ▶ **4. Build Reports ▶**

STEP 4: View each report table by selecting the report name from the drop-down menu. Create report types to edit and preview, each tab created represents one report type to export. Double-click report tabs to rename.

Subject, Grade: Transcript, Grade 12
Jurisdiction: National
Measure: GPA - Overall
Variables: All students, Gender, Race/ethnicity (6 categories)
Years: 2009, 2005, 2000, 1990

Select Report: Report 1 Export Report

Table Chart Significance Test Gap Analysis

Averages and percentages for GPA - overall, grade 12 by year, jurisdiction and all students [TOTAL]: 2009, 2005, 2000, and 1990

Year	Jurisdiction	All students				Missing			
		Average	Standard Error	Percentage	Standard Error	Average	Standard Error	Percentage	Star
2009	National	3.00	(0.009)	100	(†)	#	(†)	#	
2005	National	2.98	(0.008)	100	(†)	#	(†)	#	
2000	National	2.94	(0.013)	100	(†)	#	(†)	#	
1990	National	2.68	(0.012)	100	(†)	#	(†)	#	

† Not applicable.
 # Rounds to zero.
 * Reporting standards not met.



NOTE: The GPA - Overall ranges from 0 to 4. Detail may not sum to totals because of rounding. Some apparent differences between estimates may not be statistically significant.

Help Using the HSTS NDE

1. Tutorial

NAEP Data Explorer Tutorial

Lesson Menu

Select a Lesson

Overview—What's New	This lesson provides an overview of the NAEP Data Explorer and some important new features.
> Select Criteria	This lesson demonstrates how to select the five specific criteria that are used for accessing data.
Select Variables	This lesson describes the second major step in a data query, which involves selecting variables.
Edit Reports	This lesson describes numerous options for previewing/editing reports, and reviews default reports
Editing a Report	This lesson shows how to customize a report starting from the Edit Reports screen.
Build Reports	This lesson describes the numerous options available for building reports.
Creating Charts	This lesson demonstrates how to customize charts based on your data query.
Significance Tests and Gap Analyses	This lesson shows how to perform a Significance Test and a Gap Analysis for a report.

2. Quick Reference Guide

Stock photos.

3. NDE Help button

